

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P415684

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-827-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4518 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

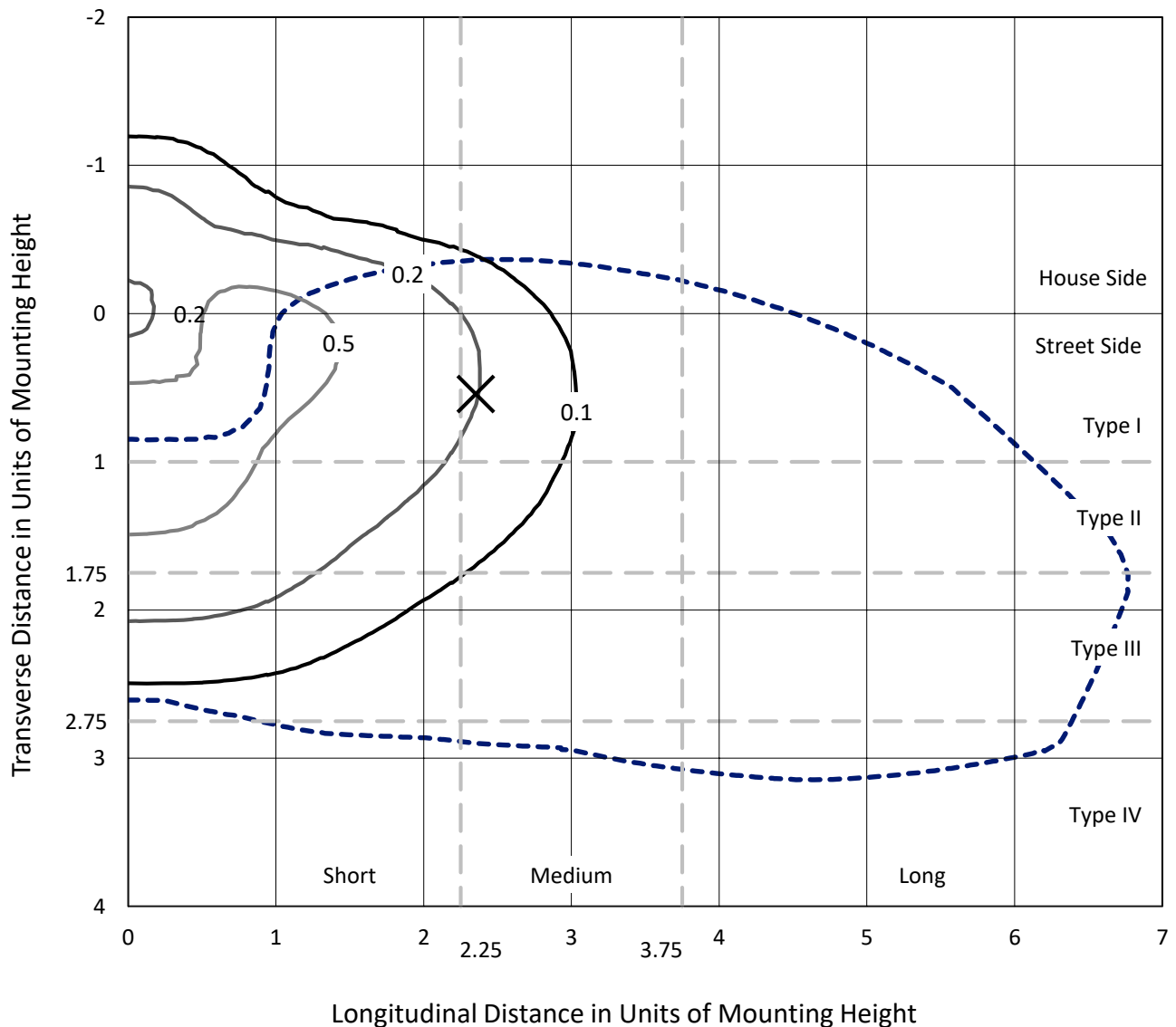


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Iso-Footcandle Lines of Horizontal Illumination

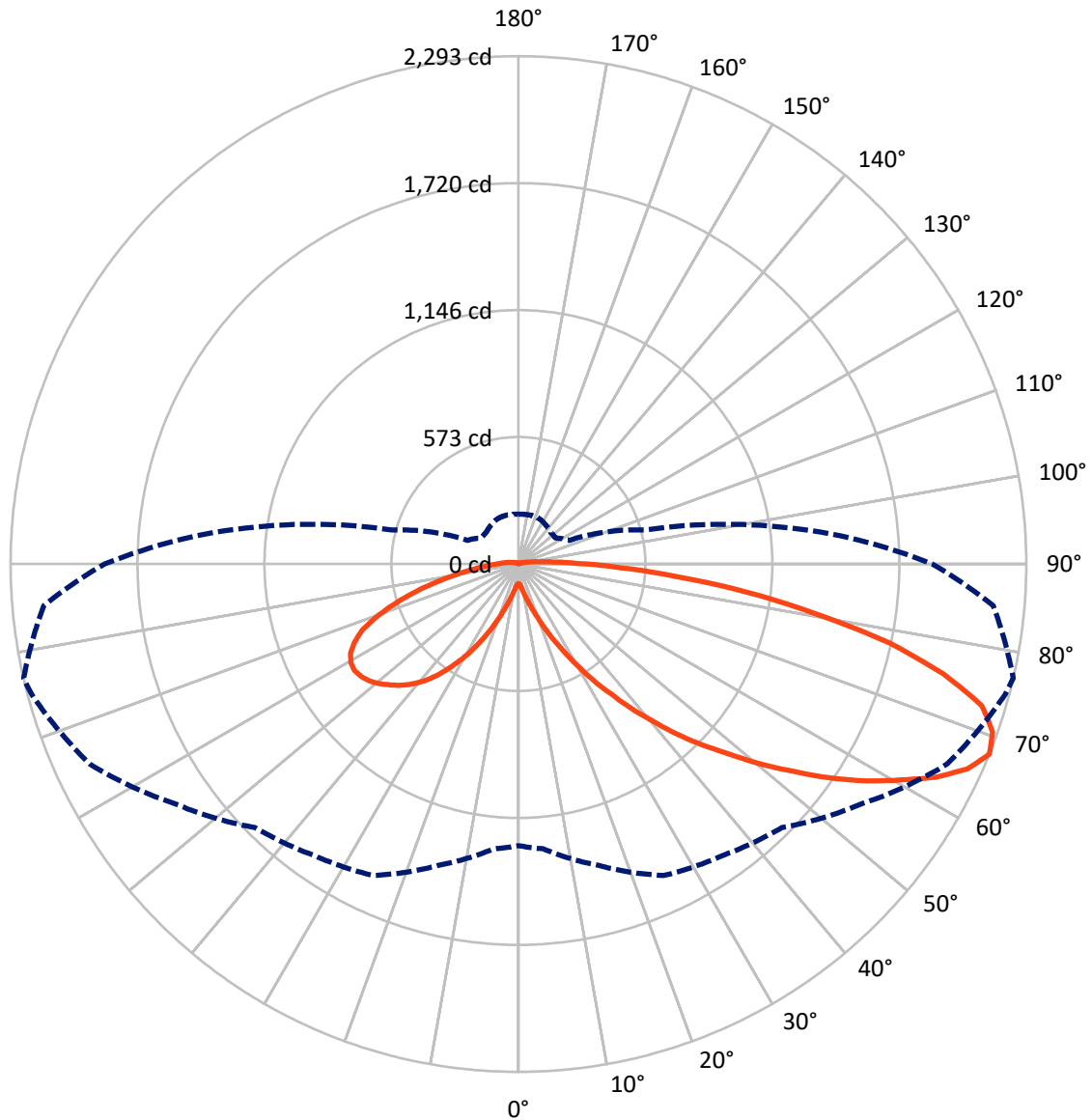
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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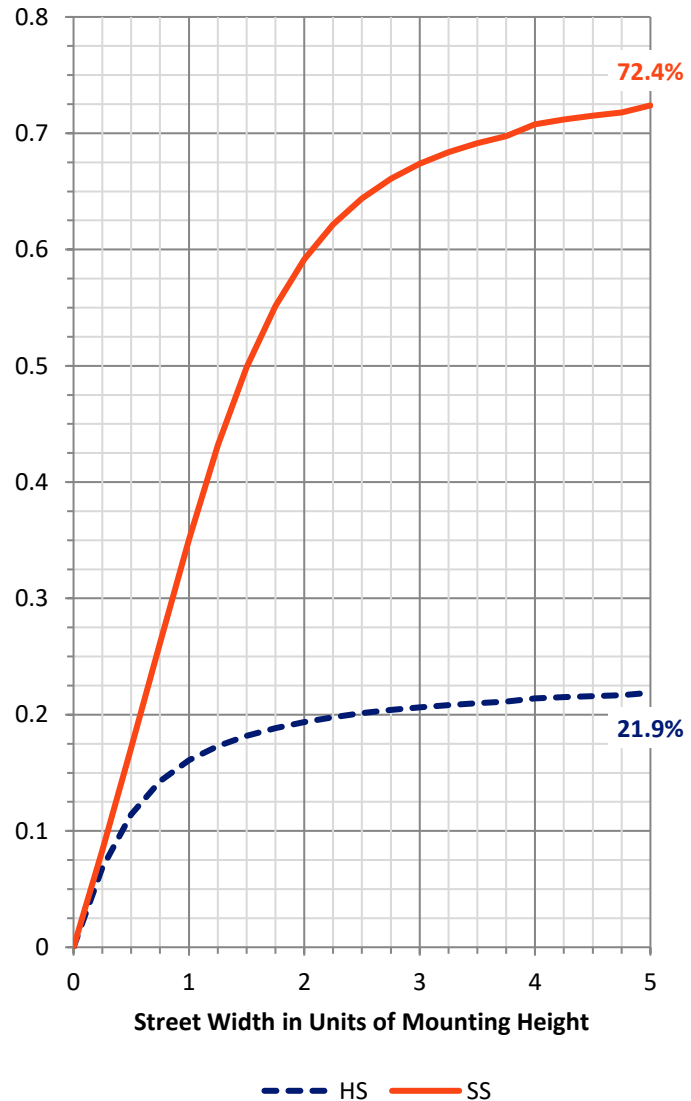
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1030.7	67.9	1098.6
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	3343.8	75.6	3419.4
	% Fixture	74.0	1.7	75.7
Total	Lumens	4374.5	143.5	4518.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.2
10°-20°	52.4	1.2
20°-30°	156.6	3.5
30°-40°	346.8	7.7
40°-50°	620.9	13.7
50°-60°	930.0	20.6
60°-70°	1096.2	24.3
70°-80°	836.9	18.5
80°-90°	324.4	7.2
90°-100°	82.7	1.8
100°-110°	31.3	0.7
110°-120°	14.7	0.3
120°-130°	7.9	0.2
130°-140°	4.4	0.1
140°-150°	2.0	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4374.5	96.8
0°-180°	4518.0	100.0



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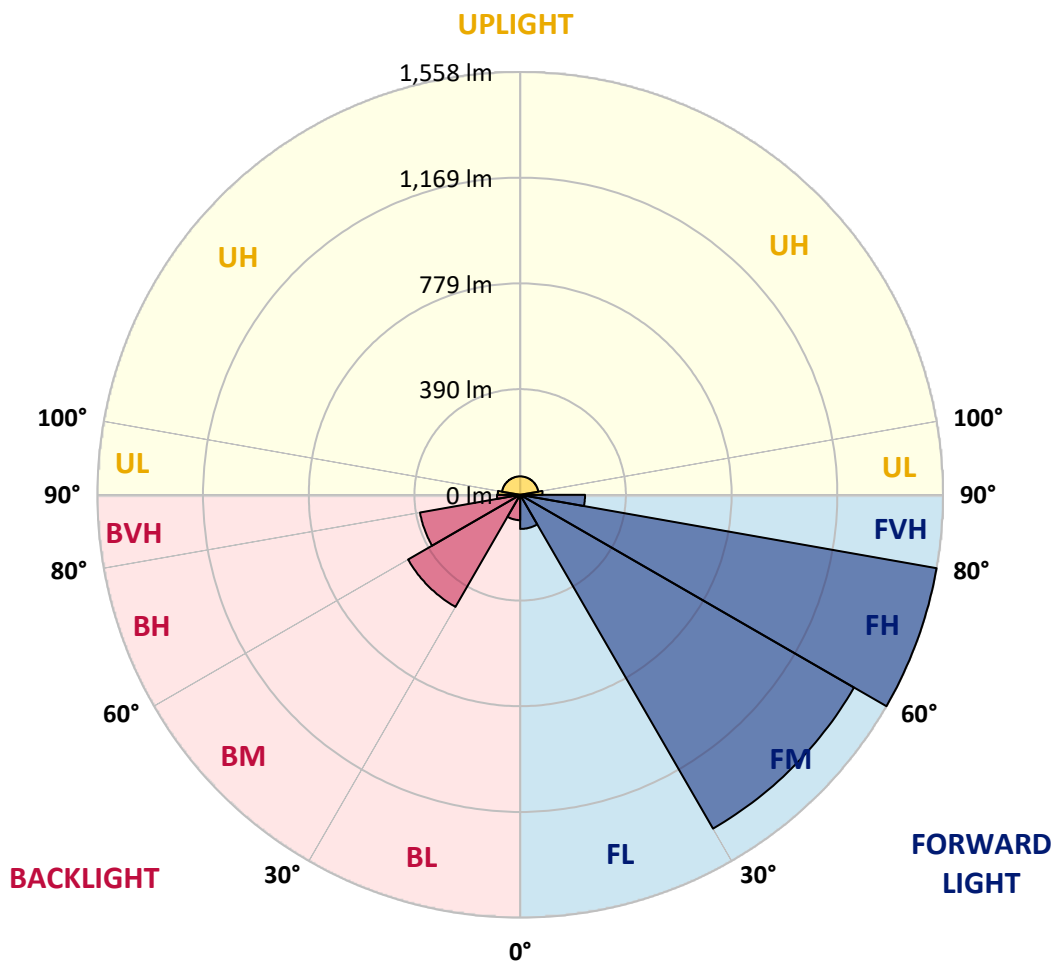
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.9	2.8			
FM	(30°-60°)	1420.6	31.4			
FH	(60°-80°)	1558.3	34.5			G1/1800
FVH	(80°-90°)	239.0	5.3			G3/500
BL	(0°-30°)	93.3	2.1	B0/110		
BM	(30°-60°)	477.1	10.6	B1/1000		
BH	(60°-80°)	374.8	8.3	B1/500		G1/500
BVH	(80°-90°)	85.5	1.9			G1/100
UL	(90°-100°)	82.7	1.8		U3/500	
UH	(100°-180°)	67.9	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
2.5°	93.9	93.4	93.9	93.9	94.5	93.4	92.4	91.9	91.4	91.4	90.8
5°	103.8	102.8	103.3	103.8	103.3	102.3	100.7	100.2	99.1	99.1	98.1
7.5°	117.8	117.8	117.3	116.3	117.3	115.7	114.7	114.2	112.6	112.1	111.6
10°	139.1	138.1	137.5	136.5	135.5	135.0	132.9	132.9	130.3	131.3	129.8
12.5°	166.6	164.5	165.1	163.0	159.9	157.8	156.8	156.2	156.2	156.2	155.7
15°	199.8	198.3	197.8	193.1	190.0	187.4	185.3	185.8	188.4	188.9	186.9
17.5°	237.7	240.3	235.7	231.5	226.8	221.6	221.6	221.6	223.7	225.3	224.2
20°	290.7	285.5	280.3	273.5	265.8	261.6	259.5	265.8	269.4	272.0	270.9
22.5°	348.8	343.6	337.9	327.0	316.1	308.3	308.3	316.1	324.4	327.5	328.6
25°	414.7	417.8	403.8	387.2	367.5	360.7	361.8	373.2	385.7	388.3	394.5
27.5°	496.2	496.2	484.3	457.8	431.9	418.4	419.4	438.1	456.8	460.4	465.1
30°	595.4	591.7	575.6	540.3	506.1	480.6	485.3	508.2	537.7	540.9	546.6
32.5°	705.9	705.4	674.3	630.6	581.3	551.2	553.3	586.5	623.4	632.2	638.4
35°	828.4	831.5	791.0	727.7	670.6	630.1	636.9	674.8	717.9	719.9	727.7
37.5°	968.6	967.0	918.7	849.7	764.6	721.5	716.3	767.7	812.8	826.3	822.2
40°	1123.8	1107.1	1060.4	974.8	869.9	812.3	813.4	866.3	927.5	931.7	930.7
42.5°	1276.9	1269.6	1213.0	1097.3	985.2	917.2	919.8	970.6	1034.0	1050.0	1038.6
45°	1441.9	1423.8	1362.5	1243.1	1106.6	1032.9	1026.2	1083.3	1152.8	1165.3	1154.4
47.5°	1575.3	1563.9	1509.9	1382.8	1236.9	1142.4	1132.1	1202.1	1281.5	1282.6	1266.5
50°	1685.9	1680.2	1637.6	1525.0	1363.0	1264.9	1254.0	1323.6	1406.6	1420.1	1396.8
52.5°	1781.4	1772.0	1750.8	1639.7	1477.7	1369.8	1368.2	1444.5	1548.3	1554.6	1532.2
55°	1812.0	1817.7	1814.6	1736.2	1590.4	1473.6	1486.6	1589.3	1682.3	1704.1	1662.0
57.5°	1807.3	1807.3	1836.9	1801.1	1665.6	1567.5	1595.6	1719.6	1840.6	1847.3	1797.0
60°	1736.8	1738.3	1809.4	1819.3	1719.6	1648.0	1713.9	1852.0	1976.0	1980.2	1933.0
62.5°	1635.0	1631.4	1735.7	1785.5	1726.4	1695.7	1798.5	1967.7	2103.7	2117.7	2046.6
65°	1476.2	1482.9	1595.6	1694.7	1691.1	1713.9	1864.4	2072.1	2207.5	2227.8	2125.0
67.5°	1271.2	1290.9	1409.2	1551.5	1606.5	1682.3	1888.8	2135.9	2275.0	2292.7	2151.5
70°	1053.2	1048.5	1176.7	1355.2	1462.7	1601.3	1861.8	2138.5	2276.6	2270.9	2094.9
72.5°	798.8	818.5	933.8	1115.4	1274.8	1447.6	1774.1	2072.1	2189.4	2188.3	1945.4
75°	567.8	579.8	681.5	863.2	1053.2	1268.0	1599.2	1927.2	2013.4	1982.3	1729.0
77.5°	374.8	385.7	473.4	639.0	814.9	1042.3	1364.1	1674.5	1743.0	1710.8	1452.8
80°	233.1	238.2	304.7	436.0	592.2	807.6	1104.5	1369.3	1396.3	1363.6	1118.6
82.5°	138.6	142.7	190.5	279.8	422.0	588.1	832.6	1049.5	1058.3	1036.0	806.6
85°	85.1	90.8	121.5	186.9	281.3	414.7	580.3	729.3	735.5	709.5	533.1
87.5°	55.5	58.7	82.5	121.5	189.5	277.7	388.8	485.3	471.3	455.2	336.9
90°	37.9	40.0	56.6	83.6	128.2	183.7	246.0	303.6	281.3	268.9	204.5
92.5°	26.5	28.5	41.5	60.2	88.8	123.0	159.9	181.7	172.3	166.6	128.7
95°	20.8	21.8	31.7	46.7	65.9	87.2	105.9	112.6	106.9	102.8	86.7
97.5°	16.6	17.6	26.5	37.9	51.4	64.9	73.7	75.8	70.1	68.0	60.2
100°	14.0	15.1	22.3	31.7	42.0	51.4	55.0	54.5	49.8	48.8	43.6
102.5°	12.5	13.0	19.7	27.5	35.8	41.5	43.6	41.0	36.3	35.8	32.7
105°	10.9	11.9	17.1	23.9	30.6	35.3	35.3	32.2	27.0	26.5	24.9
107.5°	10.4	10.4	15.1	20.8	26.5	29.6	29.6	26.0	21.3	20.2	19.2
110°	9.3	9.9	13.5	18.2	22.8	25.4	24.9	20.8	16.1	15.6	15.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	8.8	8.8	11.9	16.1	19.7	21.8	20.8	17.1	13.0	12.5	11.9
115°	8.3	8.3	10.9	14.5	17.6	19.2	17.6	14.0	10.4	9.9	10.4
117.5°	7.8	8.3	9.9	13.0	15.6	16.6	15.1	11.9	8.8	8.3	8.8
120°	7.8	7.8	9.3	11.4	13.5	14.5	13.0	9.9	7.3	7.3	7.8
122.5°	7.8	7.8	8.8	10.4	11.9	12.5	10.9	8.3	6.7	6.7	7.3
125°	7.3	7.3	8.3	9.3	10.9	10.9	9.9	7.3	5.7	5.7	6.7
127.5°	7.3	7.3	7.8	8.8	9.9	9.9	8.3	6.2	5.2	5.7	6.2
130°	6.7	6.7	7.3	7.8	8.8	8.3	7.3	5.7	4.7	5.2	5.7
132.5°	6.7	6.7	6.7	7.3	7.8	7.3	6.2	4.7	4.7	4.7	5.2
135°	6.2	6.2	6.7	6.7	6.7	6.2	5.2	4.2	4.2	4.2	4.7
137.5°	6.2	6.2	6.2	6.2	6.2	5.7	4.7	3.6	3.6	3.6	4.2
140°	5.7	5.7	5.7	5.2	5.2	4.7	3.6	3.1	3.1	3.1	3.6
142.5°	5.2	5.2	5.2	4.7	4.7	3.6	3.1	2.6	2.6	3.1	3.1
145°	4.7	4.7	4.7	4.2	3.6	3.1	2.1	2.1	2.6	2.6	3.1
147.5°	3.6	3.6	3.6	3.6	2.6	2.6	1.6	2.1	2.1	2.6	2.6
150°	3.1	3.1	3.1	3.1	2.1	1.6	1.0	1.6	2.1	2.1	2.1
152.5°	2.6	2.6	2.6	2.6	1.6	1.0	1.0	1.6	1.6	1.6	2.1
155°	1.6	1.6	2.1	1.6	1.0	0.5	1.0	1.0	1.6	1.6	1.6
157.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	1.0	1.0	1.0	1.6
160°	0.5	0.5	1.0	1.0	1.0	0.5	0.5	0.5	1.0	1.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
2.5°	90.3	90.8	90.3	89.8	89.8	89.3	89.3	89.3	89.3	88.8	88.8
5°	98.6	98.1	97.6	96.5	95.5	94.5	94.5	93.9	93.4	92.9	92.9
7.5°	110.0	110.0	109.0	107.4	105.9	104.8	103.8	103.3	101.7	101.7	101.2
10°	127.7	127.7	124.6	123.0	120.4	117.8	116.8	115.2	114.2	113.7	113.2
12.5°	153.1	151.6	148.4	143.3	138.1	133.9	131.3	130.3	130.8	130.8	131.3
15°	185.8	182.7	178.0	168.2	158.8	152.6	151.0	151.0	151.6	151.6	152.1
17.5°	224.8	220.1	209.7	197.2	183.7	175.4	171.8	171.8	172.8	174.4	176.0
20°	272.0	267.8	251.7	229.9	209.7	198.8	192.6	192.0	194.1	198.8	197.8
22.5°	325.4	320.8	296.9	265.2	237.2	219.6	212.8	214.9	220.1	223.2	223.2
25°	389.8	382.0	346.2	300.0	264.2	239.3	230.5	233.6	241.4	245.0	246.6
27.5°	458.8	448.5	400.7	337.9	285.5	255.4	246.0	250.2	259.5	265.2	266.8
30°	540.9	522.7	457.8	373.2	304.7	266.8	256.9	264.7	275.1	281.8	283.4
32.5°	627.0	599.0	507.1	403.3	318.7	274.6	264.7	274.1	285.5	293.3	293.8
35°	713.2	681.0	561.6	427.7	326.0	278.2	267.8	278.7	291.2	297.4	299.0
37.5°	806.6	762.0	608.8	443.3	329.1	277.7	267.8	278.7	290.7	295.9	296.9
40°	896.4	841.4	650.9	452.6	328.0	273.5	264.2	275.6	286.0	289.6	289.1
42.5°	997.1	918.2	684.6	453.1	320.8	267.3	259.5	269.4	276.7	276.1	276.7
45°	1093.1	999.7	709.5	449.5	310.9	259.5	253.3	262.1	264.7	262.1	261.6
47.5°	1198.5	1080.7	729.3	440.2	299.0	252.3	246.6	253.3	253.8	248.1	247.1
50°	1310.1	1161.6	747.4	423.0	285.0	244.0	240.3	246.0	245.0	235.7	234.1
52.5°	1419.1	1243.7	758.9	402.3	270.9	236.7	235.1	240.8	237.7	226.8	224.8
55°	1535.4	1319.4	760.9	381.5	257.5	230.5	230.5	236.7	233.1	221.6	220.1
57.5°	1649.0	1398.8	753.1	354.5	244.5	223.7	226.8	234.1	231.5	220.1	219.0
60°	1755.4	1458.5	731.9	329.1	232.5	219.0	224.2	232.5	230.5	221.1	220.1
62.5°	1838.0	1498.0	698.1	304.2	222.2	214.4	221.6	229.9	230.5	222.7	223.2
65°	1876.4	1498.0	649.3	279.3	212.8	209.7	219.0	228.4	229.4	224.8	224.8
67.5°	1868.1	1459.6	594.3	253.3	204.0	204.0	215.4	225.3	227.3	225.3	225.3
70°	1780.4	1355.8	519.1	232.5	195.2	197.2	209.7	220.1	223.2	223.7	223.2
72.5°	1637.6	1199.5	441.2	210.7	185.8	190.5	202.4	212.8	217.0	218.0	217.5
75°	1417.0	1018.4	364.9	192.6	176.0	181.7	194.1	202.9	207.6	209.7	208.7
77.5°	1138.8	808.2	299.0	174.4	164.5	170.8	182.7	190.0	195.7	198.3	196.2
80°	867.9	601.6	237.7	156.2	150.5	157.3	167.7	175.4	180.6	181.7	180.1
82.5°	616.1	426.7	190.5	139.1	135.5	141.2	150.5	155.7	161.9	161.4	158.3
85°	403.8	289.6	149.5	120.9	119.4	123.0	130.3	133.4	139.6	139.6	136.0
87.5°	262.6	192.0	117.8	101.7	103.3	106.4	110.0	112.6	115.2	115.7	112.6
90°	167.7	131.3	93.9	86.7	88.2	90.8	90.8	90.3	94.5	95.5	92.9
92.5°	110.0	93.4	77.9	73.7	74.7	75.3	75.3	73.2	76.8	77.3	75.3
95°	77.3	70.1	64.4	63.3	63.3	63.3	62.3	59.7	62.8	62.8	61.8
97.5°	58.1	54.5	54.0	54.0	54.0	53.5	51.9	50.9	51.9	51.9	51.4
100°	43.6	43.1	44.6	45.7	46.2	45.7	44.6	43.1	43.1	41.0	41.5
102.5°	33.2	34.3	37.4	38.9	38.9	38.9	38.4	36.3	35.3	33.2	32.7
105°	26.0	27.0	30.6	32.7	33.2	33.7	32.7	30.6	28.5	26.5	26.0
107.5°	20.2	21.8	24.9	27.5	28.5	28.5	28.0	26.0	23.4	20.8	20.8
110°	16.6	17.6	20.8	23.4	24.4	24.4	23.9	21.3	18.7	16.6	16.6



REPORT NUMBER: P415684

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.5	14.5	17.6	19.7	20.8	21.3	20.2	18.2	15.6	13.5	13.5
115°	11.4	12.5	15.1	16.6	17.6	17.6	17.1	15.1	13.0	11.4	11.4
117.5°	9.9	10.9	13.0	14.5	15.1	15.6	14.5	13.0	10.9	9.9	9.9
120°	8.8	9.3	11.4	12.5	13.0	13.0	12.5	10.9	9.3	8.8	8.8
122.5°	7.8	8.8	9.9	10.9	11.4	11.4	10.9	9.3	8.3	7.8	8.3
125°	7.3	7.8	8.8	9.9	9.9	9.9	9.3	8.3	7.3	7.3	7.3
127.5°	6.7	7.3	7.8	8.3	8.8	8.8	8.3	7.3	6.7	6.7	6.7
130°	6.2	6.7	7.3	7.3	7.8	7.8	7.3	6.2	6.2	6.2	6.2
132.5°	5.7	6.2	6.2	6.7	6.7	6.7	6.2	5.7	5.7	5.7	5.7
135°	5.2	5.2	5.7	5.7	5.7	5.7	5.2	5.2	5.2	5.2	5.2
137.5°	4.7	4.7	5.2	4.7	5.2	4.7	4.7	4.2	4.7	4.7	4.7
140°	4.2	4.2	4.2	4.2	4.2	4.2	3.6	3.6	4.2	4.2	4.2
142.5°	3.6	3.6	3.6	3.1	3.1	3.1	3.1	3.1	3.6	3.6	3.6
145°	3.1	3.1	3.1	2.6	2.6	2.1	2.6	2.6	3.1	3.1	3.1
147.5°	2.6	2.6	2.6	2.6	2.1	1.6	1.6	2.1	2.6	2.6	2.6
150°	2.1	2.6	2.6	2.1	1.6	1.0	1.0	1.6	2.1	2.1	2.1
152.5°	2.1	2.1	2.1	1.6	1.0	0.5	0.5	1.0	1.6	1.6	1.6
155°	1.6	1.6	1.6	1.6	1.0	0.5	0.0	1.0	1.0	1.0	1.0
157.5°	1.6	1.6	1.6	1.0	0.5	0.0	0.0	0.5	1.0	0.5	0.5
160°	1.0	1.0	1.0	1.0	0.5	0.5	0.0	0.5	0.5	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)